

I claim:

1. (Amended) A dental apparatus to secure a prosthesis comprising a minipin implant having a solid threaded shaft with a flared transition to a hemispherical head; said hemispherical head having an upper circular face with a central threaded blind hole limited in depth to within said hemispherical head; a detachable abutment having a lower circular face having a projecting abutment threaded screw shaft, said abutment threaded screw shaft mating with said threaded blind hole in said implant hemispherical head to form an anchor for an overlying prosthesis.
2. (Amended) A dental apparatus, as recited in claim 1, comprising a minipin implant having a threaded shaft with a flared transition to a hemispherical head; said hemispherical head having a circular face with a central threaded blind hole limited in depth to within said hemispherical head; a detachable hemispherical abutment having a circular face having a projecting abutment threaded screw shaft, said abutment threaded screw shaft mating with said threaded blind hole in said minipin dental implant hemispherical head to form a spherical ball head to form an a snap-in anchor for an overlying prosthesis.
3. (Amended) A dental apparatus, as recited in claim 1, comprising a minipin implant having a solid threaded shaft with a flared transition to a hemispherical head; said hemispherical head having a circular flat face with a central threaded blind hole limited in depth to within said hemispherical head ;

a detachable conical abutment having a circular face having a projecting abutment threaded shaft, said abutment threaded shaft mating with said threaded blind hole to form a truncated cone head.

4. (Amended) A dental apparatus as recited in claim 1, comprising a number of detents located in the surface of said hemispherical head of said minipin implant to accommodate a driving and holding wrench.

5. (Amended) A dental apparatus as recited in claim 1, comprising a self-starting thread on said threaded shaft of said minipin implant.

6. (Amended) A dental apparatus as recited in claim 1, comprising said detachable hemispherical abutment having an elongated cylindrical extension region to accommodate differing tissue and bone depths.

7. (Amended) A dental apparatus as recited in claim 1, comprising said detachable truncated conic abutment having an elongated cylindrical extension region to accommodate differing tissue and bone depths.

8. (Amended) A dental apparatus as recited in claim 1, comprising said detachable hemispherical abutment having an elongated cylindrical region having an o-ring retention groove.

9. (Amended) A dental apparatus as recited in claim 1, comprising said detachable truncated conic abutment having a hydrostatic relief groove with a substantially flat floor to relieve pressure while cementing prosthesis in place and to provide a window for applying a prying force to remove said prostheses.

10. (Amended) A dental apparatus as recited in claim 1, comprising said minipin implant and said detachable abutment with locking thread means.

11. (Amended) A dental apparatus as recited in claim 1, comprising said detachable abutment with a driving recess for mating said projecting abutment threaded shaft with said minipin implant said threaded blind hole.

12. (Amended) A dental apparatus comprising a minipin dental implant having a solid threaded shaft with a flared transition to a prolate spheroidal head; said prolate spheroidal head having a circumferential groove to catch and mate with a flexible lip to form an anchor for an overlying prosthesis.

13. (Original) A minipin dental implant as recited in claim 12, comprising flats in the surface of said prolate spheroidal head for a driving and holding wrench.

14. (Original) A minipin dental implant as recited in claim 12, comprising a shaped recess in the distal end of said prolate spheroidal head for a driving or holding wrench.

15. (Original) A minipin dental implant as recited in claim 1, comprising an offset detachable abutment.

16. (Original) A minipin dental implant as recited in claim 12, comprising an offset detachable abutment.